

Science

How many molecules of oxygen do breathe in in one breath?

The average pair of human lungs can hold about 6 liters of air, but during normal respiration, only about 500 mL (one half of a liter) is inspired.

Oxygen makes up 21% of air.

There are 2.7×10^{19} (2,751.3) molecules in every cubic centimeter of air.

0.5 liter (500 cubic centimeter) contains 1,375,650 molecules, 21% of which are 288,886.5 oxygen molecules.

(see [Composition of Air](#))

Unique solution ID: #1111

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